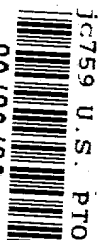


02/08/02



PTO SB/05 (03-01)

Please type a plus sign (+) inside this box → ☐

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                        |   |
|------------------------|---|
| Attorney Docket No.    | 10416-19  |
| First Inventor         | KUNDU, Arun Chandra   |
| Title                  | TEM DUAL-MODE RECTANGULAR DIELECTRIC WAVEGUIDE<br>BANDPASS FILTER |
| Express Mail Label No. | EL588251985US   |

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **36**]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **19**]
5. Oath or Declaration [Total Pages **1**]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

Prior application information.

Examiner \_\_\_\_\_

of prior application No.: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

(Insert Customer Number or Bar Code Label here)

or ☐ Correspondence address below

|                           |           |          |  |  |
|---------------------------|-----------|----------|--|--|
| Name                      | 30076     |          |  |  |
| PATENT & TRADEMARK OFFICE |           |          |  |  |
| Address                   |           |          |  |  |
| City                      | State     | Zip Code |  |  |
| Country                   | Telephone | Fax      |  |  |

|                   |                        |                                   |                  |
|-------------------|------------------------|-----------------------------------|------------------|
| Name (Print/Type) | Brooke W. Quist        | Registration No. (Attorney/Agent) | 45,030           |
| Signature         | <i>Brooke W. Quist</i> | Date                              | February 8, 2002 |

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 992.00

**Complete if Known**

|                      |                     |
|----------------------|---------------------|
| Application Number   |                     |
| Filing Date          | 02/08/2002          |
| First Named Inventor | KUNDU, Arun Chandra |
| Examiner Name        |                     |
| Group Art Unit       |                     |
| Attorney Docket No.  | 10416-19            |

**METHOD OF PAYMENT**

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 02-4270

Deposit Account Name Brown Raysman Millstein

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description        | Fee Paid |
|----------|----------|----------|----------|------------------------|----------|
| 101      | 740      | 201      | 370      | Utility filing fee     | 740.00   |
| 106      | 330      | 206      | 165      | Design filing fee      |          |
| 107      | 510      | 207      | 255      | Plant filing fee       |          |
| 108      | 740      | 208      | 370      | Reissue filing fee     |          |
| 114      | 160      | 214      | 80       | Provisional filing fee |          |

SUBTOTAL (1) (\$) 740.00

**2. EXTRA CLAIM FEES**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 34                 | -20** = 14   | 18.00          | 252.00   |
| Independent Claims | 2            | -3** =         |          |
| Multiple Dependent |              |                |          |

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  |
|----------|----------|----------|----------|--|
| 103      | 18       | 203      | 9        | Claims in excess of 20                                     |
| 102      | 84       | 202      | 42       | Independent claims in excess of 3                          |
| 104      | 280      | 204      | 140      | Multiple dependent claim, if not paid                      |
| 109      | 84       | 209      | 42       | ** Reissue independent claims over original patent         |
| 110      | 18       | 210      | 9        | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) 252.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|--|----------|
| 105                   | 130                   | 205                   | 65                    | Surcharge - late filing fee or oath  |          |
| 127                   | 50                    | 227                   | 25                    | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139                   | 130                   | 139                   | 130                   | Non-English specification  |          |
| 147                   | 2,520                 | 147                   | 2,520                 | For filing a request for ex parte reexamination                            |          |
| 112                   | 920*                  | 112                   | 920*                  | Requesting publication of SIR prior to Examiner action                     |          |
| 113                   | 1,840*                | 113                   | 1,840*                | Requesting publication of SIR after Examiner action                        |          |
| 115                   | 110                   | 215                   | 55                    | Extension for reply within first month                                     |          |
| 116                   | 400                   | 216                   | 200                   | Extension for reply within second month                                    |          |
| 117                   | 920                   | 217                   | 460                   | Extension for reply within third month                                     |          |
| 118                   | 1,440                 | 218                   | 720                   | Extension for reply within fourth month                                    |          |
| 128                   | 1,960                 | 228                   | 980                   | Extension for reply within fifth month                                     |          |
| 119                   | 320                   | 219                   | 160                   | Notice of Appeal   |          |
| 120                   | 320                   | 220                   | 160                   | Filing a brief in support of an appeal                                     |          |
| 121                   | 280                   | 221                   | 140                   | Request for oral hearing   |          |
| 138                   | 1,510                 | 138                   | 1,510                 | Petition to institute a public use proceeding                              |          |
| 140                   | 110                   | 240                   | 55                    | Petition to revive - unavoidable   |          |
| 141                   | 1,280                 | 241                   | 640                   | Petition to revive - unintentional   |          |
| 142                   | 1,280                 | 242                   | 640                   | Utility issue fee (or reissue)   |          |
| 143                   | 460                   | 243                   | 230                   | Design issue fee   |          |
| 144                   | 620                   | 244                   | 310                   | Plant issue fee  |          |
| 122                   | 130                   | 122                   | 130                   | Petitions to the Commissioner  |          |
| 123                   | 50                    | 123                   | 50                    | Processing fee under 37 CFR 1.17(q)  |          |
| 126                   | 180                   | 126                   | 180                   | Submission of Information Disclosure Stmt                                  |          |
| 581                   | 40                    | 581                   | 40                    | Recording each patent assignment per property (times number of properties) |          |
| 146                   | 740                   | 246                   | 370                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149                   | 740                   | 249                   | 370                   | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179                   | 740                   | 279                   | 370                   | Request for Continued Examination (RCE)                                    |          |
| 169                   | 900                   | 169                   | 900                   | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

**SUBMITTED BY**

Complete (if applicable)

|                   |                 |                                   |        |            |                |
|-------------------|-----------------|-----------------------------------|--------|------------|----------------|
| Name (Print/Type) | Brooke W. Quist | Registration No. (Attorney/Agent) | 45,030 | Telephone  | (310) 712-8300 |
| Signature         | Brooke W. Quist |                                   | Date   | 02/08/2002 |                |

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